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Event Study - Lock 27 Closures

Start Date: Mar 2006

Lead Researcher(s):

**Projected
End Date:** Sep 2006

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Problem Addressed:

Lock 27 at Mississippi River Mile 185 experienced closures for repairs in 2004 and 2005. In 2004 the main chamber was closed between 26 July and 10 August for gate repairs. In 2005 the main and auxiliary lock chambers were sequentially closed to navigation traffic between October 2005 and February 2006 for needed replacement of gate operating machinery.

Objective:

Two surveys of shippers and carriers affected by the Lock 27 closures in 2004 and 2005 were conducted for the purpose of discerning total costs incurred and operational changes made by industry associated with each closure event. The survey for the 2004 closure was conducted between 25 February and 28 March 2005. The survey for the 2005 closure was conducted between 14 April and 12 May 2006. In addition to the industry surveys, an analysis of the OMNI data for Lock 27 was conducted by the St. Louis and Rock Island districts for each closure. The analysis examined the detailed OMNI data for the Lock 27 facility, particularly for the closure periods, to identify changes in operating procedures attributable to the closure and to draw comparisons with the industry survey responses. Separate closure event reports were compiled for the 2004 and 2005 closures of Lock 27.

Benefits:

The data will provide important information that will bear on future repair, rehabilitation or other construction-related decisions regarding the Lock 27 facility.

Status:

Completed.

Contract Data:

130465, W1060

Progress:

Products (Bookshelf/Toolbox):

[Report by Planning Center of Expertise for Inland Navigation, Oct 17, 2006 \(521 KB, pdf\)](#)

[Report by Planning Center of Expertise for Inland Navigation, Oct 17, 2006 \(720 KB, pdf\)](#)

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